NITFS
Compliance Registration

Product: Active Earthscape version 1.1.3

Sponsor: National Geospatial-Intelligence Agency

Developer: Harris Corporation

Date: 13 August 2007
Expiration: 12 August 2009
Registration #: 1027

- ☑ Initial Registration
- ☐ Supplemental/Update #
- ☐ Derived from Reg. #

☒ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

Complexity Level

NITF 2.1 CLEVEL		3		5	6	7
Interpret						
Generate						

NITF 2.0 CLEVEL	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:
- Dual Core 3 GHz Xeon 5100
  - Windows Server 2003
  - Linux RedHat Enterprise 4

** NITF 2.0 feature
* NITF 2.1 feature

NITFS Features Implemented:

Format
NITF
○ ● V2.1
○ ○ V2.0
○   V1.1
NSIF
○ ○ V1.0

Pixel Value Types
○ ○ Boolean
○ ● Integer
○ ○ Signed Integer *
○ ○ IEEE Real *
○ ○ IEEE Complex *

Annotation Segment Types
○ ○ Bit Mapped **
○ ○ CGM, 2301
○ ○ CGM, 2301A
○ ○ Labels **

Text Segments
○ ● STA
○ ○ UT1
○ ○ U8S
○ ○ MTF

Image Segment Types
○ ● MONO
○ ○ RGB
○ ○ RGB/LUT
○ ○ YCbCr
○ ○ MULTI
○ ○ NODISPLY
○ ○ POLAR

Image Compression
○ ● Not Compressed
○ ○ JPEG Lossy, 8-bit
○ ○ JPEG Lossy, 12-bit
○ ○ JPEG Downsample
○ ○ JPEG Lossless
○ ● JPEG 2000
○ ○ Bi-Level
○ ○ Vector Quantization

Data Extension Segments
○ ○ TRE_OVERFLOW
○ ○ STREAMING_FILE_HEADER
○ ○ Controlled Extensions **
○ ○ Registered Extensions **

Tagged Record Extensions
○ ● - HISTOA
○ ● - J2KLRA
○ ◉ - PRODHA
    - DIGEST TREs
      - ACCHZB
      - BNDPLB
      - GEOLOB
      - GEOPLSB
      - MAPLOB
      - PRJPSB

Legend
Interpret ● ○ Fully implemented
Generate ◉ ○ Partially implemented
○ ○ Not implemented

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CURTIS L. GREEN, Lt Col, USAF, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.